



Vespa Large Frame Oil Change

Changing the engine oil in large-frame Vespa Scooters.

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INTRODUCTION

This guide will show you how to change the oil in large-frame Vespa scooters. This guide uses a 1997 T5 motor installed in a 1959 Vespa 150, but the procedure and locations of all parts are the same for all Vespa Large Frame scooters (Vespa 125 VNA/VNB, 150 VBA/VBB, 125/150 Super, Sprint, GS160, SS180, Rally 180/200, all PX models, Indian manufactured Bajaj and LML 2-stroke models, and more.)



TOOLS:

- [Socket 10mm](#) (1)
 - [Socket Wrench](#) (1)
 - [Flathead Screwdriver](#) (1)
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Step 1 — Preparation



- For the best access to the oil drain plug, and for optimal oil drainage, it is recommended that the scooter be stood upright.

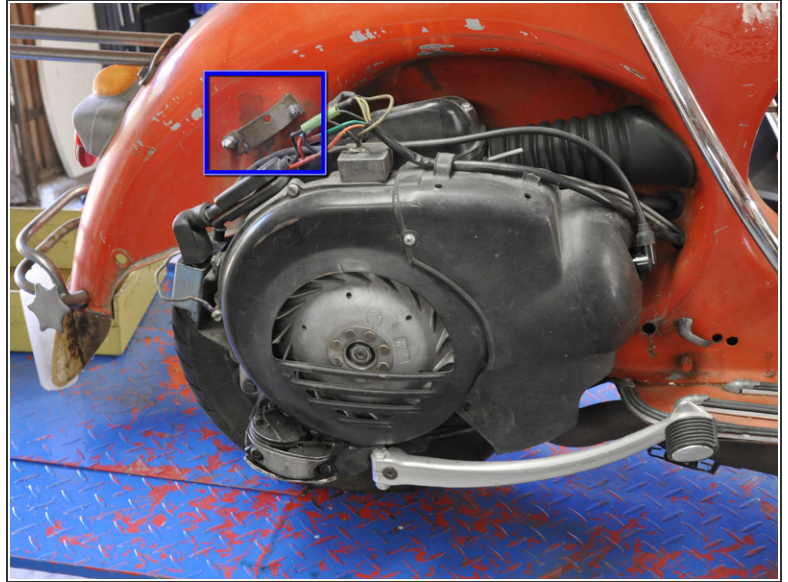
⚠ Always make sure your work area is clean and you have plenty of room to work safely. Never start or run your scooter indoors.

Step 2 — Removing the Engine Cover



- Using your hand, pull the engine cover retaining latch away from the scooter frame, then twist the latch clockwise to release the engine cover.

Step 3



- Carefully lift the engine cover up and away from the scooter, mindful of the mounting bracket near the rear of the engine.

Step 4 — Draining the Oil



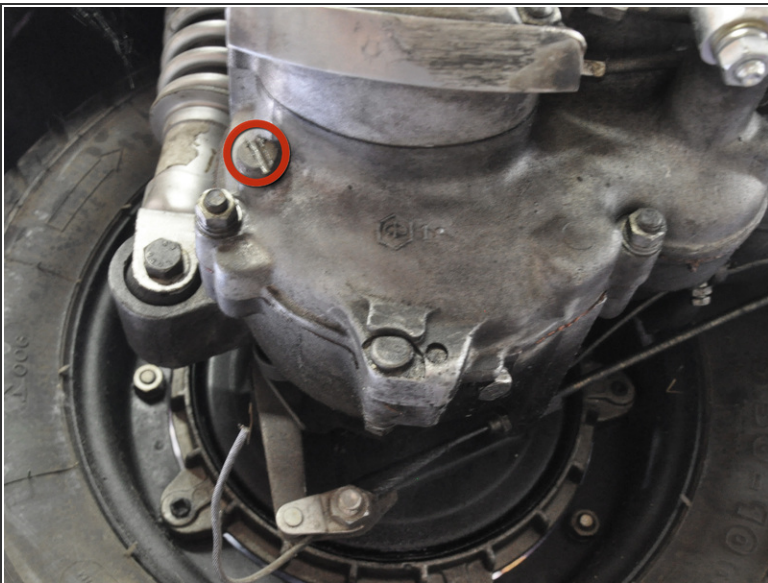
- Place an oil drain pan below the engine to catch the used oil.
- Using an 10mm socket, unscrew the oil drain plug
- Remove the oil drain plug, letting the oil drain out of the engine.
 - Wait for almost all of the oil to drain out of the engine, about five minutes.

Step 5 — Adding New Oil



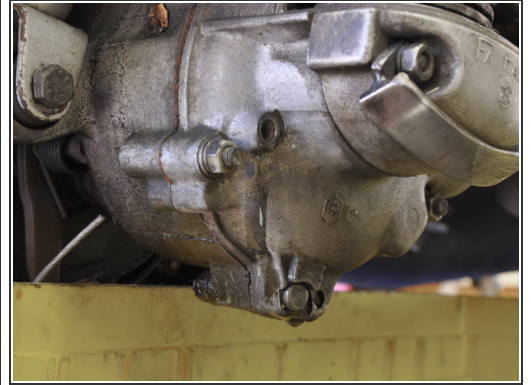
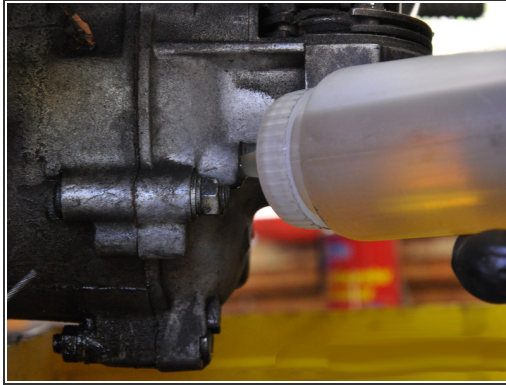
- Using your fingers, re-install and hand tighten the oil drain plug.
 - Using a 10mm socket, tighten the oil drain plug.
- ⚠ It is important to not over-tighten the oil drain plug, as the steel drain plug will easily strip the aluminum threads in the engine case.

Step 6



- Use a large flathead screwdriver to remove the oil fill plug.

Step 7



- ❗ Refilling the oil in the large-frame Vespa requires a narrow nozzle that will allow pouring oil horizontally. A condiment bottle works very well.
- Put the nozzle of the oil bottle into the oil fill hole and pour or squirt oil into the engine until it is filled level with the fill hole.
- ❗ It is important that the bike remains level while filling, if it is tilted one way or the other, you will over or under fill the engine. Oil will drip down the side of the engine. This is fine, just wipe it up when you are done.

Step 8



- Using your hands, insert and hand-tighten the oil fill plug.
- Using a large flathead screwdriver, tighten the oil fill plug.
- There is no necessary torque specification for the oil fill plug. However, make sure that it is tight enough that it doesn't rattle out. It also should not be so tight that the threads strip.

To reassemble your device, follow these instructions in reverse order.

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